

SEQUENCE LISTING

<110> JAPAN SCIENCE AND TECHNOLOGY CORPORATION

<120> Carcinogen-hypersensitive rat

<130> A031-43PCT

<140>

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<150> JP P2001-253241

<151> 2001-08-23

<160> 6

<170> PatentIn Ver. 2.1

<210> 1

<211> 1485

<212> DNA

<213> Rattus norvegicus

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<221> CDS

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acc ttg ctc agt ggc gtg aat cgg cat tct aca gcc att ggc cga gta    100
Thr Leu Leu Ser Gly Val Asn Arg His Ser Thr Ala Ile Gly Arg Val
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tgg ctg tcc gtc atc ttt atc ttc aga atc atg gtg ctg gtg gtg gct    148

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Trp	Leu	Ser	Val	Ile	Phe	Ile	Phe	Arg	Ile	Met	Val	Leu	Val	Val	Ala	
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gca gag agc gtg tgg ggt gat gag aag tct tct ttc atc tgt aac acc																196
Ala	Glu	Ser	Val	Trp	Gly	Asp	Glu	Lys	Ser	Ser	Phe	Ile	Cys	Asn	Thr	
40					45					50					55	
ctc cag ccg ggc tgt aac agc gtc tgc tat gac cat ttt ttc ccc atc																244
Leu	Gln	Pro	Gly	Cys	Asn	Ser	Val	Cys	Tyr	Asp	His	Phe	Phe	Pro	Ile	
				60					65					70		
tcc cat gtg cgc ctg tgg tcc ctg caa ctc atc ttg gtt tcc acc cca																292
Ser	His	Val	Arg	Leu	Trp	Ser	Leu	Gln	Leu	Ile	Leu	Val	Ser	Thr	Pro	
			75					80						85		
gct ctc ctc gtg gca atg cac gtg gct cac caa caa cac ata gaa aag																340
Ala	Leu	Leu	Val	Ala	Met	His	Val	Ala	His	Gln	Gln	His	Ile	Glu	Lys	
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aaa atg cta cgg ctt gag ggg cac ggg gac ccc ctt cac ctg gaa gag																388
Lys	Met	Leu	Arg	Leu	Glu	Gly	His	Gly	Asp	Pro	Leu	His	Leu	Glu	Glu	
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gta aag agg cac aag gtg cac atc tca ggg aca ctg tgg tgg acc tat																436
Val	Lys	Arg	His	Lys	Val	His	Ile	Ser	Gly	Thr	Leu	Trp	Trp	Thr	Tyr	
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Val	Ile	Ser	Val	Val	Phe	Arg	Leu	Leu	Phe	Glu	Ala	Val	Phe	Met	Tyr	
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ccc act gag aaa acc gtc ttc act gtc ttt atg ctc gcc gcc tcc ggc			628
Pro Thr Glu Lys Thr Val Phe Thr Val Phe Met Leu Ala Ala Ser Gly			
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atc tgc att atc ctc aac gtg gcg gag gtg gtg tac ctc atc atc cgg			676
Ile Cys Ile Ile Leu Asn Val Ala Glu Val Val Tyr Leu Ile Ile Arg			
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gcc tgt gcc cgc cgt gct cag cgc cgc tcc aat ccg ccc tcc cgc aag			724
Ala Cys Ala Arg Arg Ala Gln Arg Arg Ser Asn Pro Pro Ser Arg Lys			
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Gly Ser Gly Phe Gly His Arg Leu Ser Pro Glu Tyr Lys Gln Asn Glu			
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atc aac aag ctg ctg agc gag cag gat ggc tct ctg aaa gac ata ctg			820
Ile Asn Lys Leu Leu Ser Glu Gln Asp Gly Ser Leu Lys Asp Ile Leu			
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cgc cgc agt cct ggc act ggg gcc ggg ctg gct gag aag agc gac cga			868
Arg Arg Ser Pro Gly Thr Gly Ala Gly Leu Ala Glu Lys Ser Asp Arg			
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Cys Ser Ala Cys			
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<212> PRT

<213> Rattus norvegicus

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Tyr	Asp	His	Phe	Phe	Pro	Ile	Ser	His	Val	Arg	Leu	Trp	Ser	Leu	Gln
65				70						75				80	
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His	Gln	Gln	His	Ile	Glu	Lys	Lys	Met	Leu	Arg	Leu	Glu	Gly	His	Gly
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Asp	Pro	Leu	His	Leu	Glu	Glu	Val	Lys	Arg	His	Lys	Val	His	Ile	Ser
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Ala Met Val Arg Leu Val Lys Cys Glu Ala Phe Pro Cys Pro Asn Thr		160
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Val Asp Cys Phe Val Ser Arg Pro Thr Glu Lys Thr Val Phe Thr Val		
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Phe Met Leu Ala Ala Ser Gly Ile Cys Ile Ile Leu Asn Val Ala Glu		
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Val Val Tyr Leu Ile Ile Arg Ala Cys Ala Arg Arg Ala Gln Arg Arg		
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Ser Asn Pro Pro Ser Arg Lys Gly Ser Gly Phe Gly His Arg Leu Ser		
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Pro Glu Tyr Lys Gln Asn Glu Ile Asn Lys Leu Leu Ser Glu Gln Asp		
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